Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/28/2021 08:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123452	-2	1.33	123391	1.31
Blue	F	SSC	125000	123764	-1	2.52	124166	2.38
Blue	E	FITC	13131	12656	-4	2.17	291	15.26
Blue	D	PE	24112	23686	-2	1.57	543	10.51
Blue	B	PerCP-Cy5-5	31295	30775	-2	2.96	1017	14.14
Blue	A	PE-Cy7	19939	19711	-2	5.08	527	28.85
Red	C	APC	42122	41663	-2	2.97	1749	11.37
Red	A	APC-Cy7	22340	21591	-4	3.31	807	11.87
Violet	B	V450	7410	7113	-5	4.15	430	12.3
Violet	A	V500	28118	26935	-5	3.86	670	10.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22582	1.09	562	-7	N/A	N/A	Pass
Blue	F	SSC	57756	1.14	515	3	N/A	N/A	Pass
Blue	E	FITC	54	54.62	482	-5	0.0458	152	Pass
Blue	D	PE	114	37.06	485	-3	0.4750	368	Pass
Blue	B	PerCP-Cy5-5	189	34.56	581	-5	0.0210	52	Pass
Blue	A	PE-Cy7	107	65.23	623	-5	0.0220	0	Pass
Red	C	APC	405	24.11	579	3	0.0282	210	Pass
Red	A	APC-Cy7	181	27.86	553	2	0.0060	997	Pass
Violet	B	V450	61	62.17	462	9	0.0761	2856	Pass
Violet	A	V500	97	36.31	473	8	0.0254	1079	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-31.70	-31.50	0.99
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.43	13.60 - 20.40	N/A	N/A	30.00	30.10	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 15064

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments